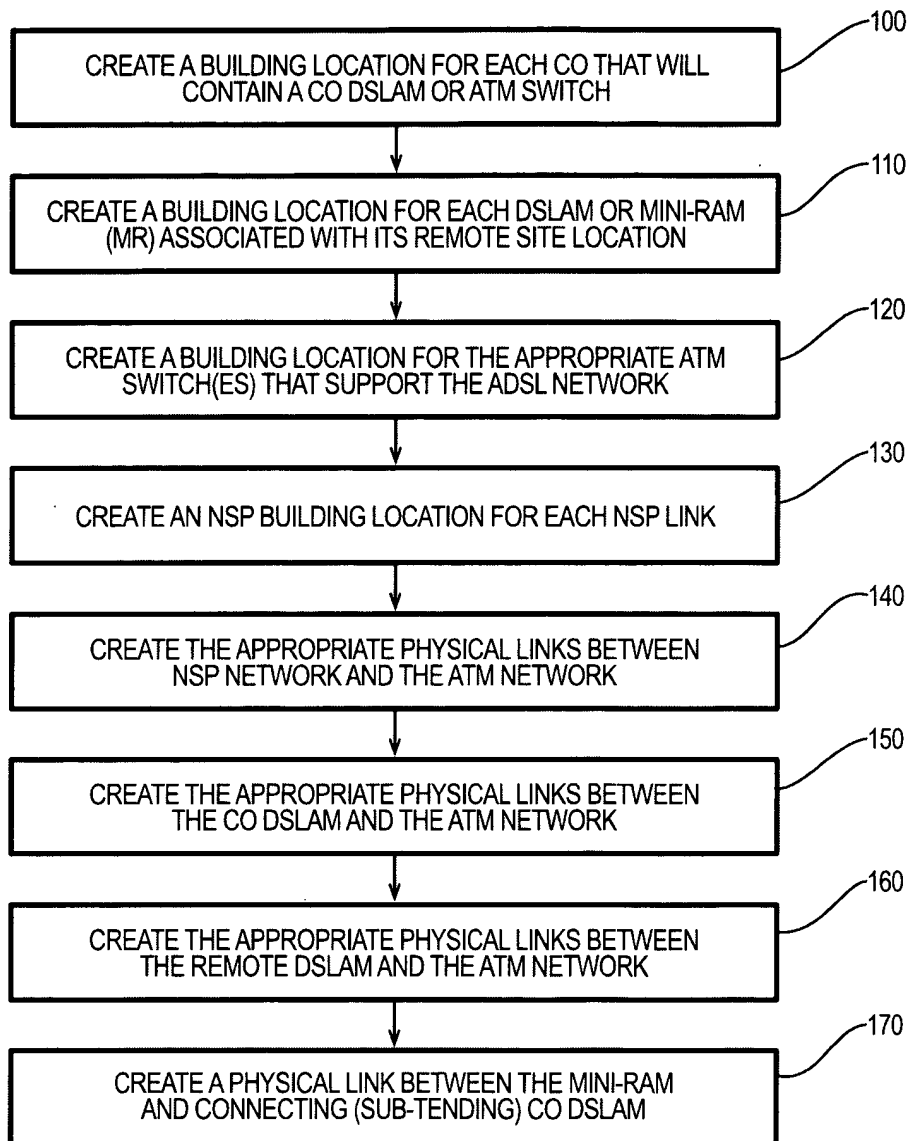
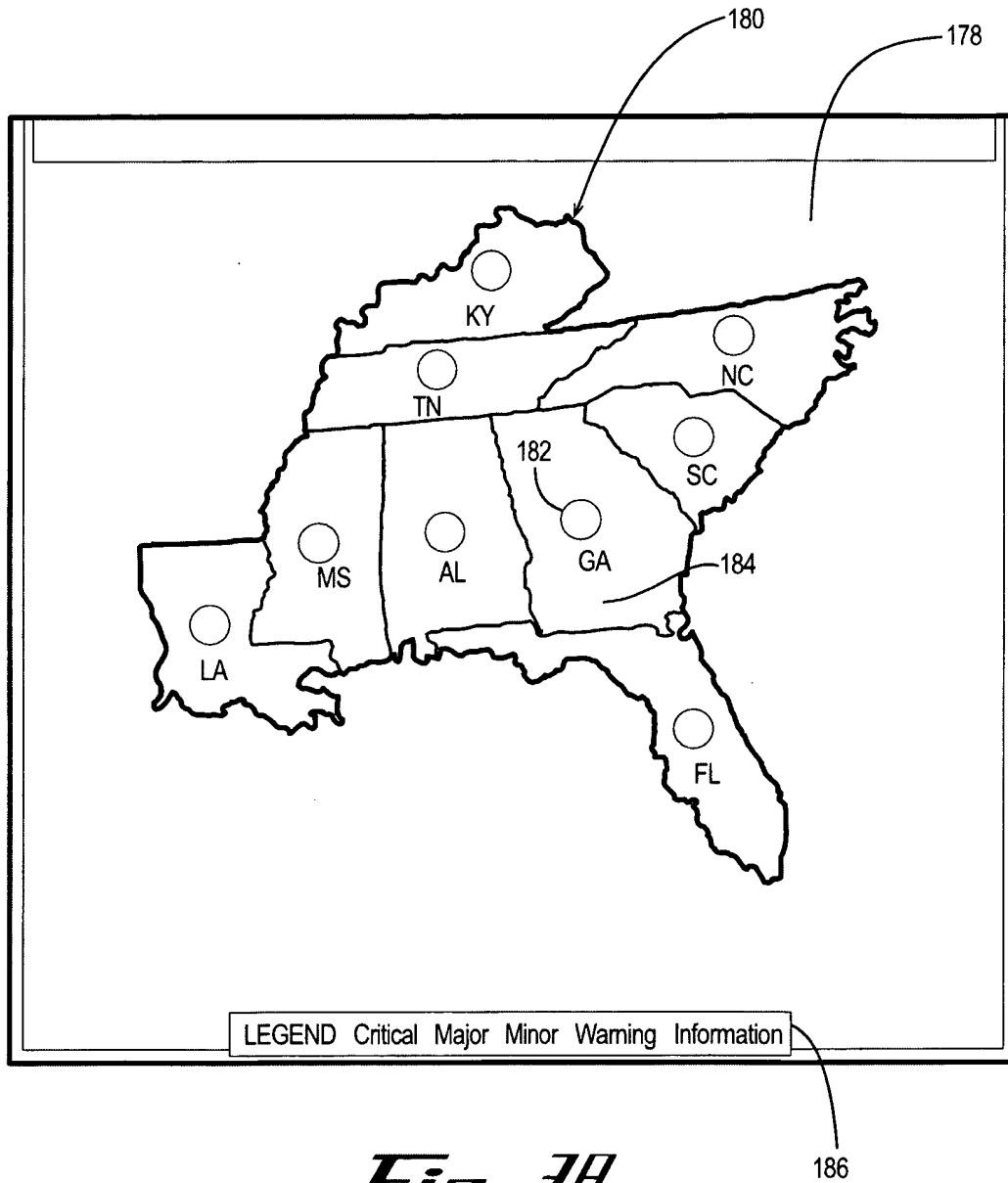
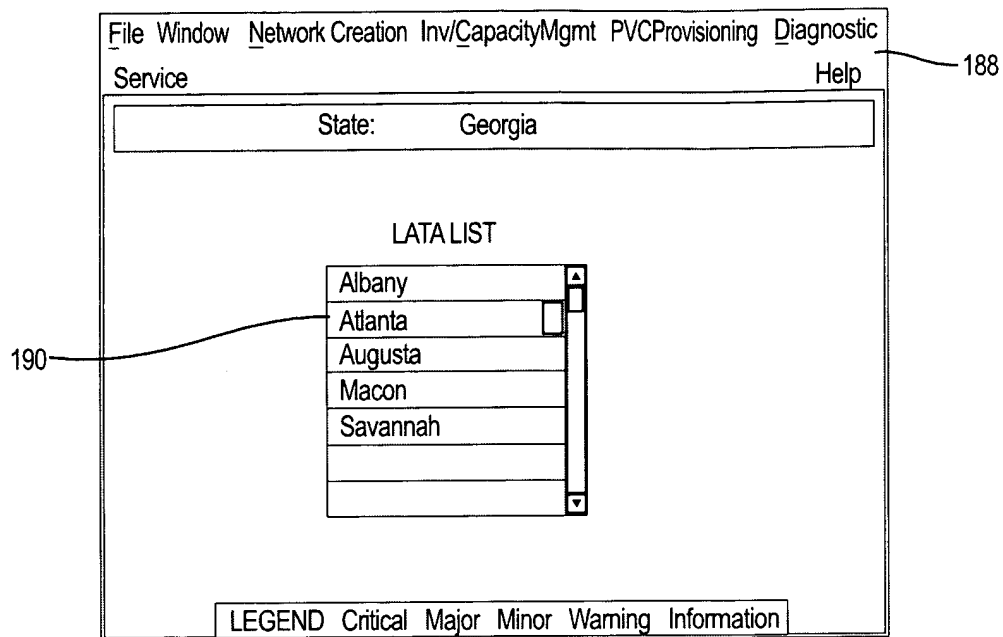


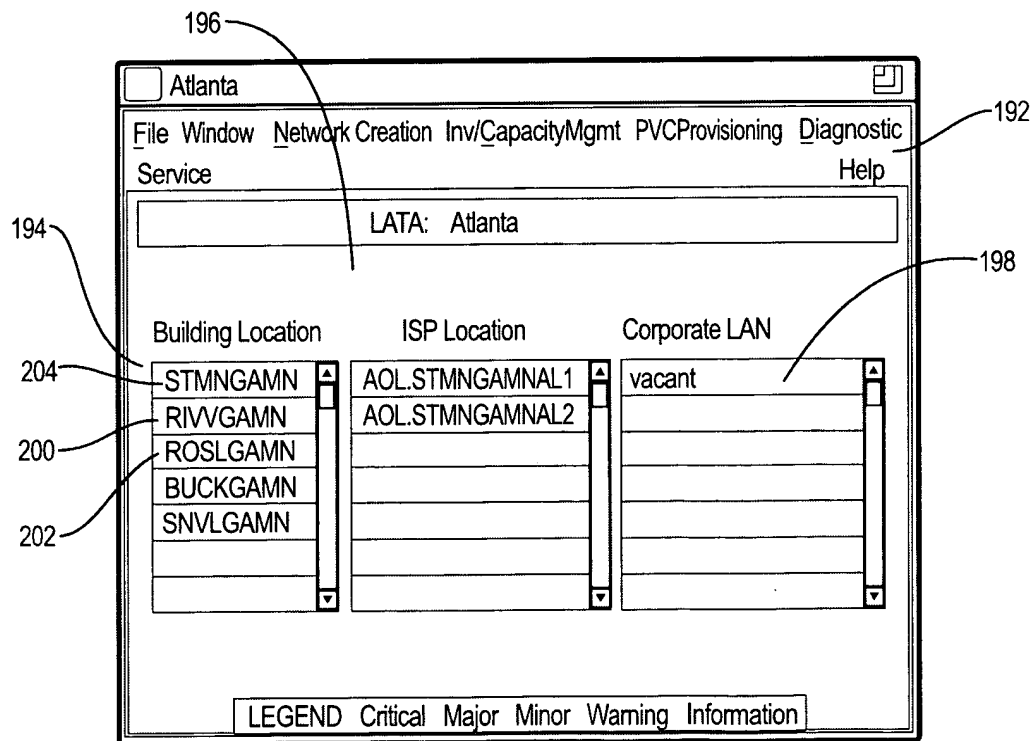
**Fig. 1**

*Fig. 2*





*Fig. 3B*



*Fig. 3C*

210

206

208

212

214

LEGEND Critical Major Minor Warning Information

STMNGAMN

File Window Network Creation Inv/CapacityMgmt PVCProvisioning Diagnostic Service Help

Building Loc: STMNGAMN

DSLAM	Remote Site	ATM Switch
vacant	STMNGAMNH01	STMNGAMNA01
	ROSLGAU0002	STMNGAMNAT1

*Fig. 3D*

220

216

218

222

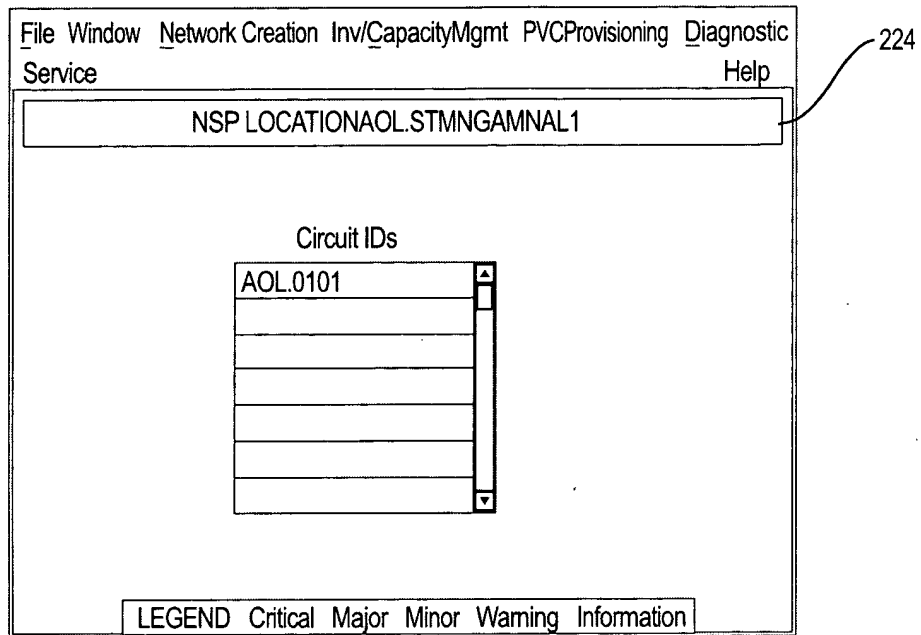
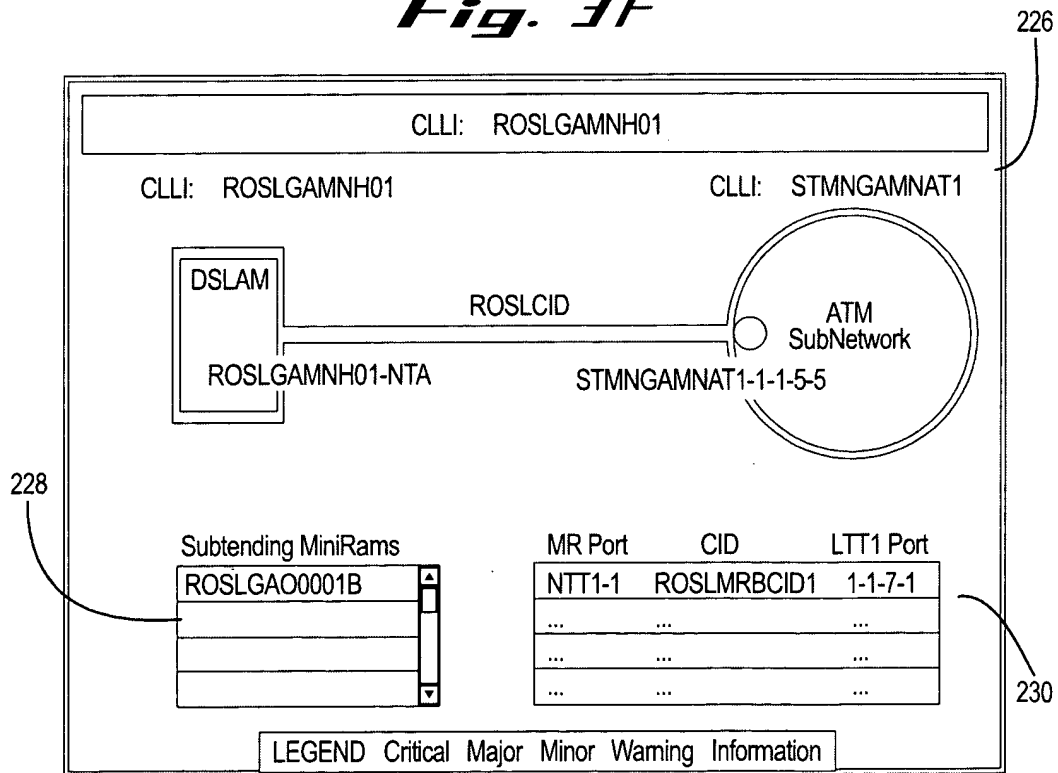
LEGEND Critical Major Minor Warning Information

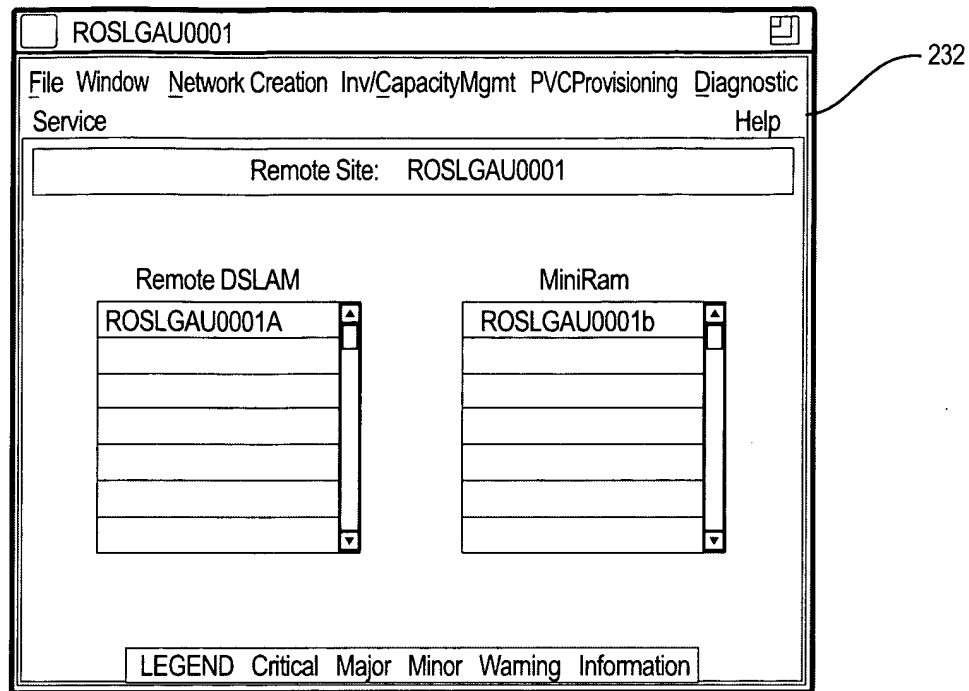
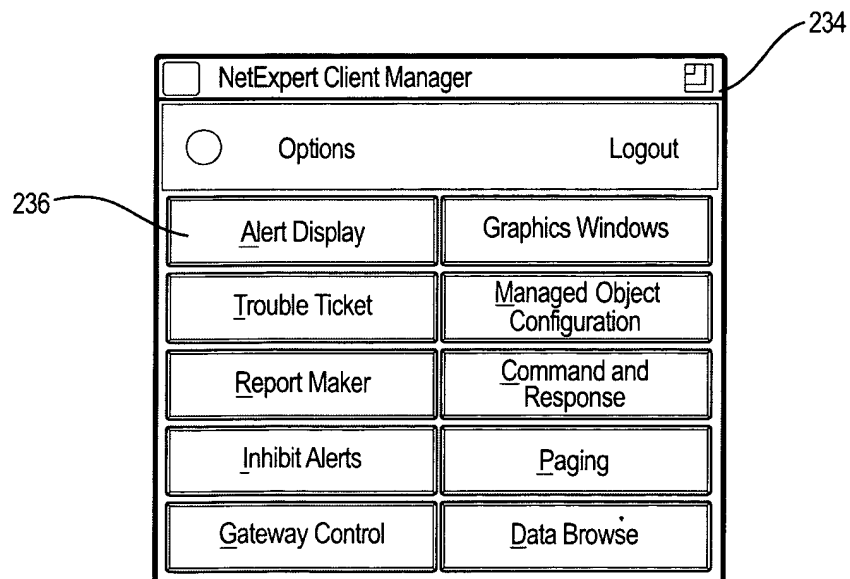
File Window Network Creation Inv/CapacityMgmt PVCProvisioning Diagnostic Service Help

ATM: STMNGAMNAT1

DSLAM	Service Gateway	NSP Location
STMNGAMNH01	vacant	AOL.AOL1GAMNH01
CLWGGAMNH01		PRDIGY.AOL1GAMN
BUCKGAMNH01		
ROSLGAMNH01		

*Fig. 3E*

*Fig. 3F**Fig. 3G*

*Fig. 3H**Fig. 3I*

240

238

Alert Summary

☐ Display    Alert Window    Resources    Quit

Alert Total:

Critical:	<input type="text" value="1"/>	Acknowledged:	<input type="text" value="0"/>
Major:	<input type="text" value="4"/>	Unacknowledged:	<input type="text" value="7"/>
Minor:	<input type="text" value="0"/>	Acknowledged By You:	<input type="text" value="0"/>
Warning:	<input type="text" value="2"/>	Without Ticket:	<input type="text" value="7"/>
Indeterminate:	<input type="text" value="0"/>	With Ticket:	<input type="text" value="0"/>

*Fig. 3d*



Alert Display Window: 1

☐ Display    Alert Management    Trouble Ticket    Device Mgmt    Quit

Sort:  Severity - Oldest Create time First     Include Filter:

Column Det:  NetExpert Default     Exclude Filter:

AMO	Description	Count	Create Time	TT	Operator	Class	Create Date	Manager
ServiceOrderInf	SOCS gateway is not responding	145:	16:20:03		SOCS		07/09/98	Serviced
STMNGAMN001 prov	AdsiPort CLWGGAMNH01-1-1-6-4 C	20:	11:31:33		AwsProv		06/30/98	STMNGAMN
hnm	Atm)c3Port STMNGAMNATI-1-1-5-3	1	10:56:38		NMSOperator		06/30/98	applayer

Fig. 3K

On-Line Advisor Quit

Alert ID: 534  
Manager Class: SOCS  
Manager: ServiceOrderInf  
Affected Managed Object Class: SOCS  
Affected Managed Object: ServiceOrderInf

◇ Fields ◇ Causes and Actions ◇ Events & Raw Data

Severity: Critical Count: 146  
Alert Type: TransmissionAlarm  
Problem Type: lossOfSignal  
Created: 07/09/98 16:20:03 Updated: 07/10/98 16:47:24  
Acknowledged:   
By:   
Alert Description:  
SOCS gateway is not responding:  
Detail Description:

*Fig. 3L*

Translate Port Name

COSMOS Port: I

Exchange Key: I

Translate

Alcatel Port: I

Translate

LFACS Port: I

Remote Site CLI: I

Translate

Display Only

COSMOS/LFACS Port: ...I

Alcatel Port: ...I

Close

250

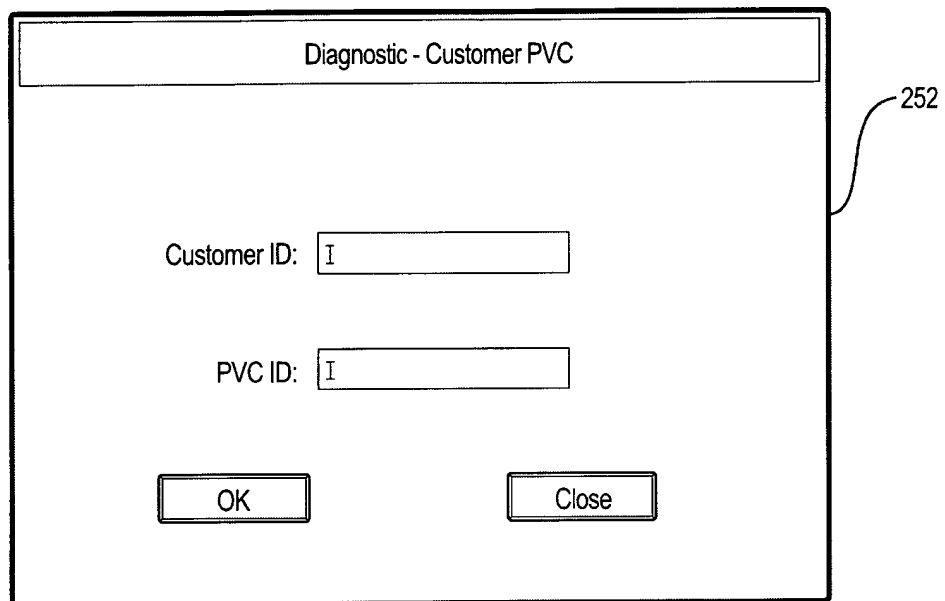
Fig. 4H

Diagnostic - Customer PVC

Customer ID:

PVC ID:

252



***Fig. 4B***



258

260

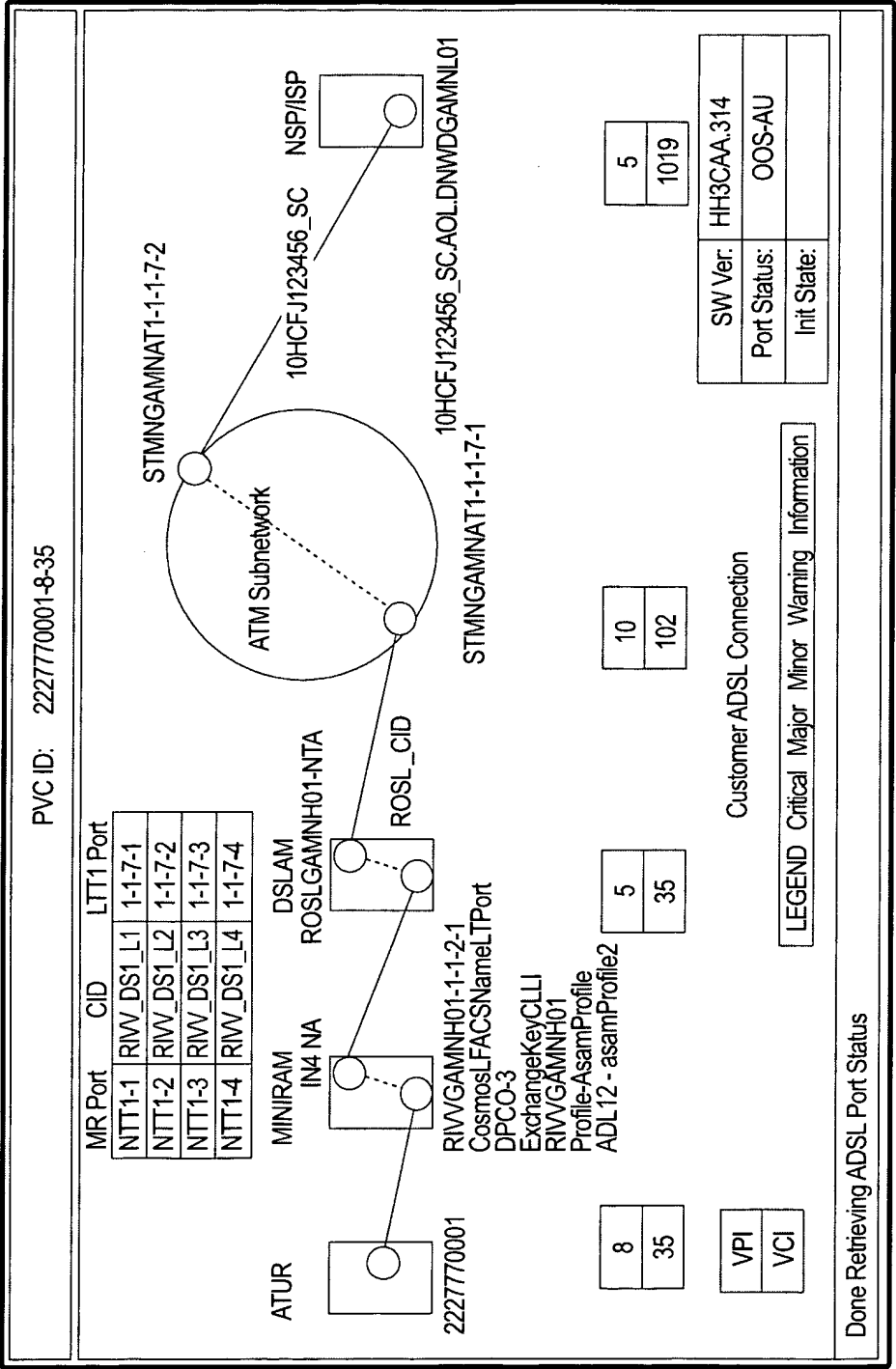


Fig. 4D

Find Circuit Name

ATM Port + Vpi/Vci

CLL1:

Port:

▼

VPI:

VCI:

OK

Close

...I

262

***Fig. 4E***

16/33

Affected End Users by DSLAM or ATM Port

DSLAM or ATM Port

CLL1: STMNGAMNH01

Port: STMNGAMNH01-NTA ▼

OK Close

Done Retrieving Customers for the Port

264

*Fig. 4F*

Affected End Users of STMNGAMNH01-NTA

PVD ID	ADSL Port ID	Subscriber
4042920018-0-32	TMNGAMNH01-1-1-4-4	TEST: AD
4042920017-0-32	TMNGAMNH01-1-1-4-3	TEST: AD
4042920016-0-32	TMNGAMNH01-1-1-4-2	TEST: AD
4042920015-0-32	TMNGAMNH01-1-1-4-1	TEST: AD
4042920014-0-32	TMNGAMNH01-1-1-3-4	TEST: AD
4042920003-0-32	TMNGAMNH01-1-1-1-1	TEST: AD
4042920004-0-32	TMNGAMNH01-1-1-1-2	TEST: AD
4042920005-0-32	TMNGAMNH01-1-1-1-3	TEST: AD
4042920030-0-32	TMNGAMNH01-1-1-8-1	TEST: AD
4042920020-0-32	TMNGAMNH01-1-1-5-2	TEST: AD
4042920019-0-32	TMNGAMNH01-1-1-5-1	TEST: AD

Close

266

*Fig. 4G*



17/33

Affected End Users - by NSP CID

NSP CID:

OK Close

268

*Fig. 4H*

DSLAM/Miniram Assigned Port History

CLLI:

Date	CO-DSLAM	DSLAM-Subnetwork
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	0
04-02-1999	0	4
04-02-1999	0	4
04-02-1999	0	4
04-02-1999	0	4
04-02-1999	0	4
04-02-1999	0	4
04-02-1999	0	4

OK Close

Done getting Assigned Port History for the DSLAM - ROSLGAMNH01

270

*Fig. 5A*

Total Available and Assigned ADSL Ports - DSLAM

DSLAM CLI:

**DSLAM**

Total Available ADSL Ports:

Cross-connected ADSL Ports:

Port Availability Threshold:

**Subnetwork**

Subnetwork % Utilization:

Subnetwork % Utilization Threshold:

**Subtending MiniRams:**

Name	PercentUtilization	TshPercentUtilization
SNVLGAMNH01	0	90
RIVVGAMNH01	37	90
SNVLGAMNH01	0	90
RIVVGAMNH01	37	90
SNVLGAMNH01	0	90

Done Getting Capacity

272

*Fig. 5B*

Total Available and Assigned ADSL Ports - DSLAM

Mini-Ram CLLI:

Total Available ADSL Ports:

Cross-connected ADSL Ports:

Saturation Threshold:

Done Getting Capacity

274

*Fig. 5C*

Capacity Management - Thresholds

Type of Equipment: CO DSLAM

Ports: 576

Editable Threshold Data

Available Port Threshold 50

Saturation Threshold: 50 %

OK

Close

Done getting Capacity for the DSLAM

276

Fig. 50

Capacity Management - DSLAM Thresholds

CLLI:

Saturation Threshold:  % 0 - To use Defaults

Saturation Threshold Alarm Inhibited:  0 - Enabled 1 - Inhibited

Available Port Threshold:  0 - To use Defaults

Available Ports Alarm Inhibited:  0 - Enabled 1 - Inhibited

...I

278

*Fig. 5E*

Capacity Management - MiniRam Thresholds

CLLI:

Saturation Threshold:  % 0 - To use Defaults

Saturation Threshold Alarm Inhibited:  0 - Enabled 1 - Inhibited

...I

280

*Fig. 5F*

DSLAM/MiniRam Port Inventory

CLLI:

Type	Cosmos/LFACS	Assigned	Status	Denied	Subtending
RIVVGAMNH01-1-1-1-1	ADSL	*****		N	00S-AU
RIVVGAMNH01-1-1-1-2	ADSL	*****		N	00S-AU
RIVVGAMNH01-1-1-1-3	ADSL	*****		N	00S-AU
RIVVGAMNH01-1-1-1-4	ADSL	*****		N	00S-AU
RIVVGAMNH01-1-1-1-1	ADSL	*****		N	00S-AUMA
RIVVGAMNH01-1-1-1-2	ADSL	*****		N	00S-AUMA
RIVVGAMNH01-1-1-1-3	ADSL	*****		N	00S-AUMA
RIVVGAMNH01-1-1-1-4	ADSL	*****		N	00S-AUMA

OK Close

Completed Getting MiniRam Inventory

282

*Fig. 5G*

DSLAM/MiniRam Port Inventory

CLLI:

Card	Type	SW Version	Vendor	Serial #	Status
RIVVGAMNH01-1-1-1	ADLT-E	HH3CAA.314	ALCL	983325106	IS-NR
RIVVGAMNH01-1-1-2	ADLT-E	HH3CAA.314	ALCL	983409651	IS-NR

OK Close

Completed Getting MiniRam Inventory

284

*Fig. 5H*

Add Bulk PVC

Old ATM Port Info

Old NSP CID:

New ATM Port Info.

CLLI:

Rack:

Shelf:

Slot:

Port:

Optional Date and Time

Due Date:  Time:

...I

286

**Fig. 6A**

288

Edit Bulk PVC

Order Number:  ▼

...I

***Fig. 6B***



290

Edit Bulk PVC: NO1CID-0-0-0

Old ATM Port Info.	
Old NSP CID:	NO1CID

New ATM Port Info.	
CELLI:	STMNGAMNAT1
Rack:	1
Shelf:	1
Slot:	5
Port:	7

Optional Date and Time	
Due Date: ...I	Time: ...I

OK Close

Done Retrieving <NO1CID-0-0-0> Bulk PVC Order I

*Fig. 6C*

26/33

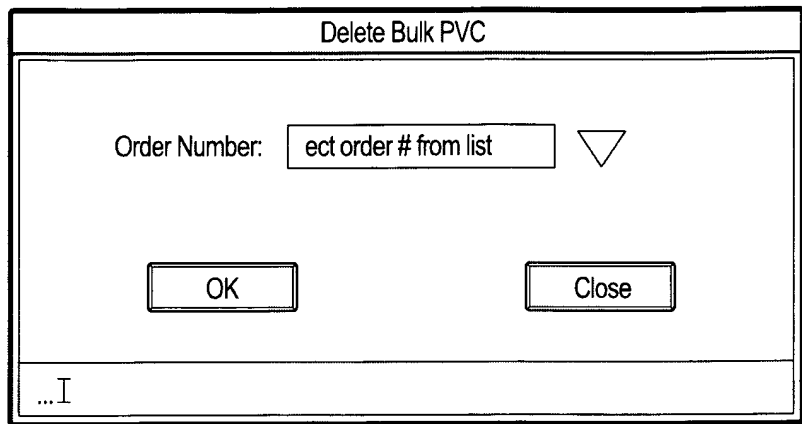
Delete Bulk PVC

Order Number:  ▼

OK Close

...I

292

A rectangular dialog box with a title bar "Delete Bulk PVC". Inside, there is a label "Order Number:" followed by a text input field containing "ect order # from list" and a downward-pointing triangle icon. Below the input field are two buttons: "OK" and "Close". At the bottom left, there is a status bar containing "...I". A leader line points from the number "292" to the right side of the dialog box.

*Fig. 6D*

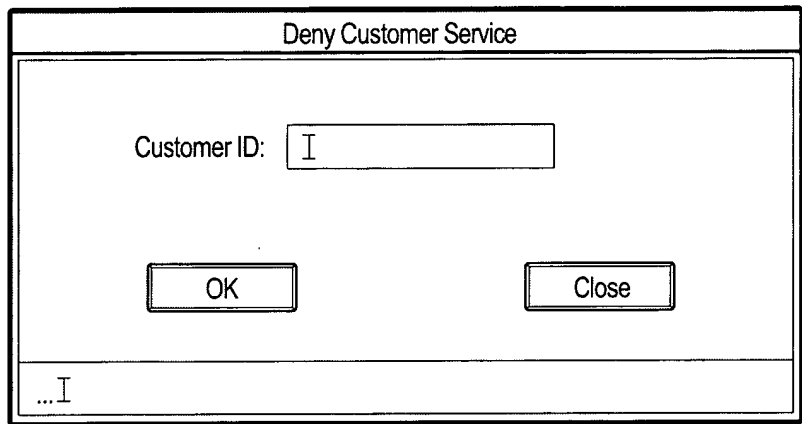
Deny Customer Service

Customer ID:

OK Close

...I

294

A rectangular dialog box with a title bar "Deny Customer Service". Inside, there is a label "Customer ID:" followed by a text input field containing "I". Below the input field are two buttons: "OK" and "Close". At the bottom left, there is a status bar containing "...I". A leader line points from the number "294" to the right side of the dialog box.

*Fig. 6E*

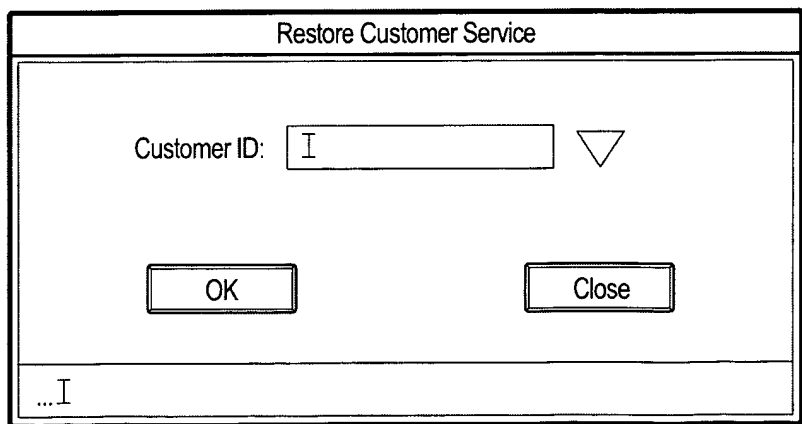
Restore Customer Service

Customer ID:  ▼

OK Close

...I

296

A rectangular dialog box with a title bar "Restore Customer Service". Inside, there is a label "Customer ID:" followed by a text input field containing "I" and a downward-pointing triangle icon. Below the input field are two buttons: "OK" and "Close". At the bottom left, there is a status bar containing "...I". A leader line points from the number "296" to the right side of the dialog box.

*Fig. 6F*

Edit Pending Service Order

Service Order Header

Service Order:

CORIW01

Due Date:

19990206

Service Order Detail

4041110001-8-35-ser-1

▼

Edit Service

OK

Close

...I

298

299

***Fig. 6G***

Edit Service Order Detail

Editable Data

Atur VPI:   
Atur VCI:

COSMOS/LFACS:   
COSMOS/LFACS pORT:   
Exchange Key/CLLI:

NSP CIT:   
NSP VPI:   
NSP VCI:

Change USOC:

Display Only Data

ADSL Port:  COSMOS/LFACS:   
USOC:

...I

300

*Fig. 6H*

Modify Customer Record Information

Customer ID:

Modifiable Fields

Name:

Address:

ZIP Code:

OK Close

...I

302

*Fig. 6I*

Delete Service Order

SO Number:

OK Close

...I

304

*Fig. 6J*

Modify Customer Profile

Customer ID:

PVC ID:  ▼

Profile:

...I

306

*Fig. 6K*

Delete Physical Link

Circuit ID:

I

308

A rectangular dialog box with a title bar 'Delete Physical Link'. Inside, there is a label 'Circuit ID:' followed by a text input field containing the letter 'I'. Below this are two buttons: 'OK' and 'Close'. At the bottom left, there is a status bar containing the letter 'I'. A leader line points from the number '308' to the right side of the dialog box.

**Fig. 1A**

Delete NSP Location

NSP:

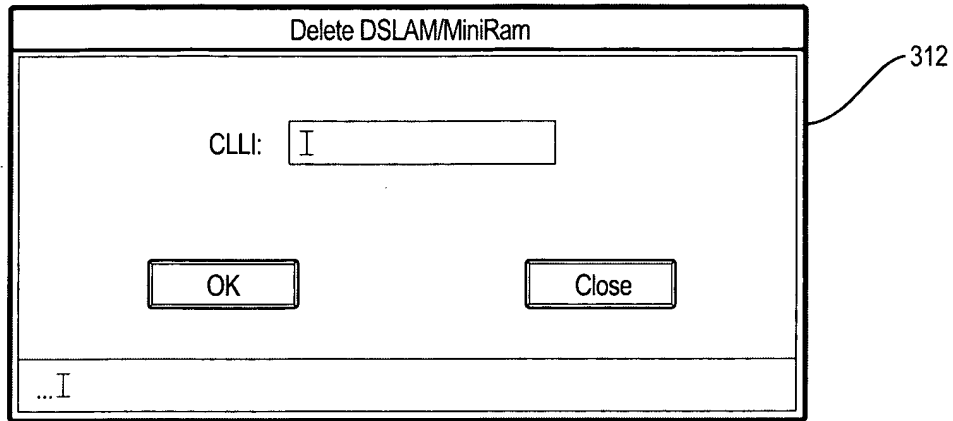
NSP CLI:  ▾

...I

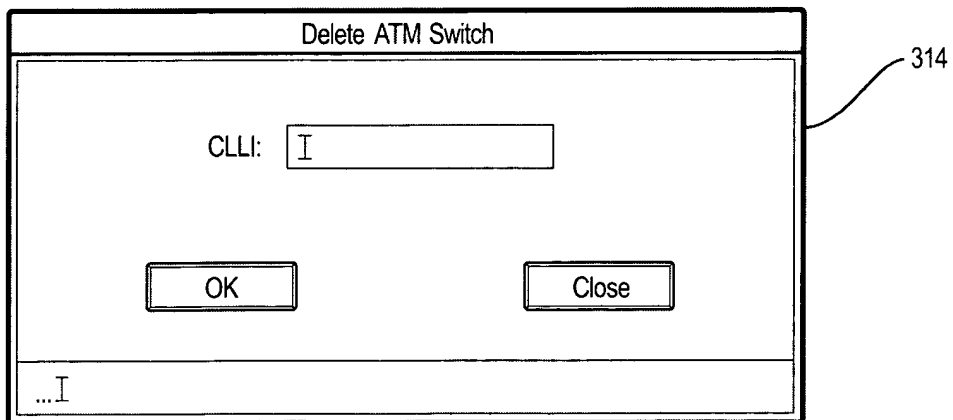
310

A rectangular dialog box with a title bar 'Delete NSP Location'. Inside, there are two labels: 'NSP:' followed by a text input field containing 'I', and 'NSP CLI:' followed by a text input field and a downward-pointing triangle icon. Below these are two buttons: 'OK' and 'Close'. At the bottom left, there is a status bar containing the text '...I'. A leader line points from the number '310' to the right side of the dialog box.

**Fig. 1B**



*Fig. 11*



*Fig. 10*



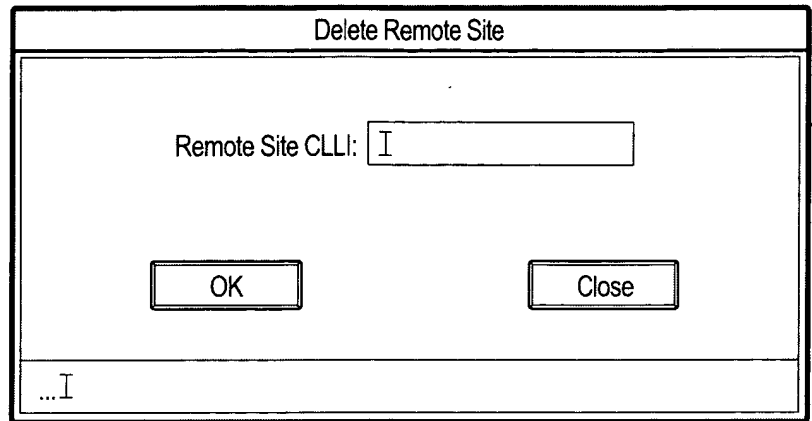
Delete Remote Site

Remote Site CLI:

OK Close

...I

316

A rectangular dialog box with a title bar "Delete Remote Site". Inside, there is a label "Remote Site CLI:" followed by a text input field containing the letter "I". Below the input field are two buttons: "OK" on the left and "Close" on the right. At the bottom left of the dialog box is a status bar containing the text "...I". A leader line points from the number "316" to the right side of the dialog box.

*Fig. 1E*

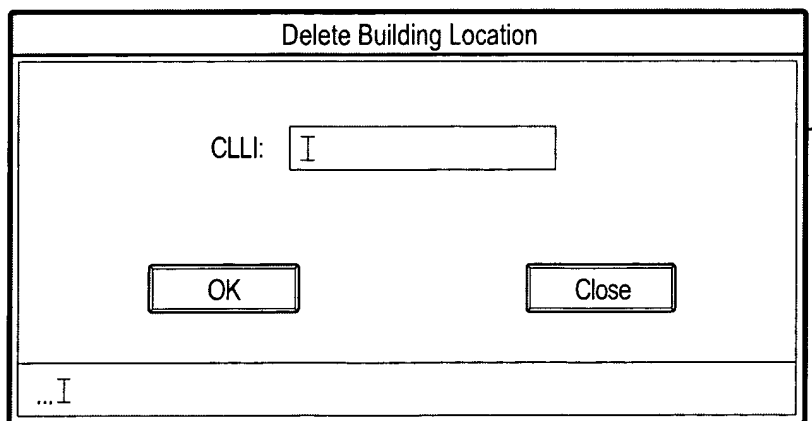
Delete Building Location

CLI:

OK Close

...I

318

A rectangular dialog box with a title bar "Delete Building Location". Inside, there is a label "CLI:" followed by a text input field containing the letter "I". Below the input field are two buttons: "OK" on the left and "Close" on the right. At the bottom left of the dialog box is a status bar containing the text "...I". A leader line points from the number "318" to the right side of the dialog box.

*Fig. 1F*